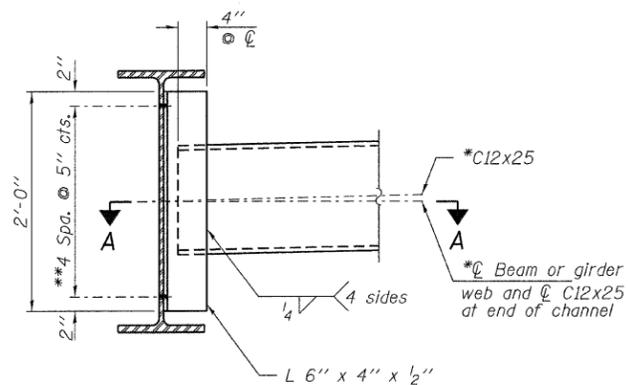
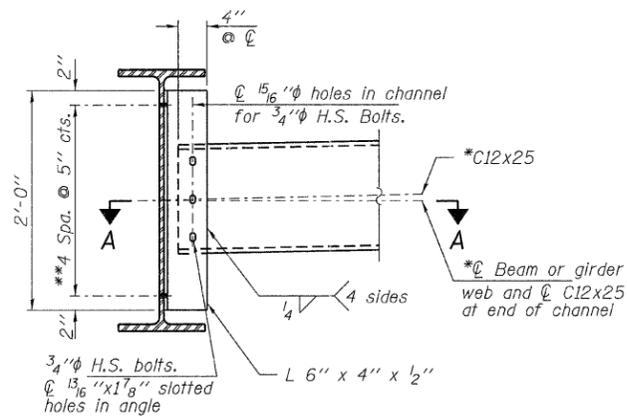


SECTION A-A



INTERIOR DIAPHRAGM D
(12 Required)



INTERIOR DIAPHRAGM D₁
(3 Required)

Note:

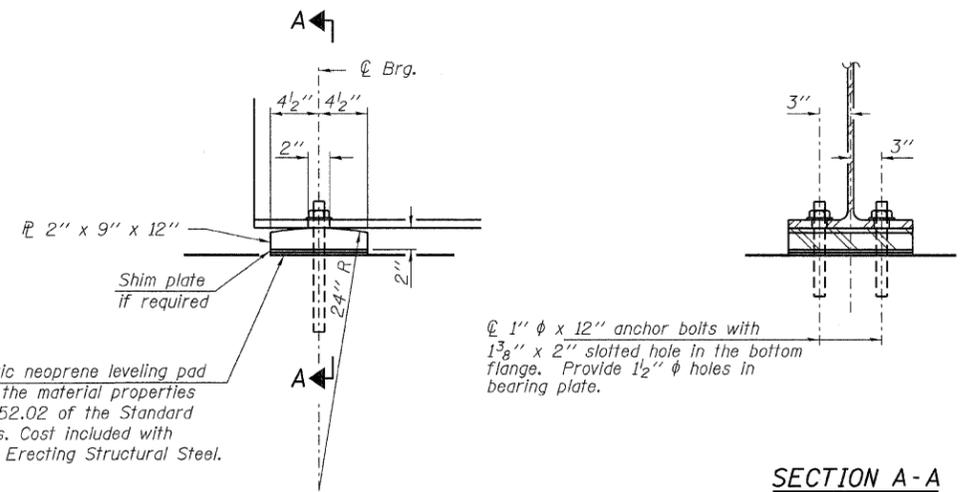
Two hardened washers required for each set of oversized holes.

*Alternate channels (C12x30) are permitted to facilitate material acquisition. Calculated weight of structural steel is based on the lighter section.

The alternate, if utilized, shall be provided at no additional cost to the Department.

**3/4" φ HS bolts, 15/16" φ holes

Bolts in slots shall be finger tight until the second stage pour is complete and fully tightened after completion of the deck pour for Stage II Construction. Position slots so bolts start at one end with no concrete load and finish near the opposite end under deck load, allowing maximum displacement without laterally stressing main members.



ELEVATION

FIXED BEARING AT ABUTMENT
(12 required)

SECTION A-A

FILE NAME = 092039-shr-bridge.dgn	USER NAME =	DESIGNED - S.M.S.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURAL STEEL DETAILS STRUCTURE NO. 033-0054	F.A.P.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 2435 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62705	PLOT SCALE =	CHECKED - C.C.S.	REVISED -			776	102B-1	HAMILTON	52	40	
ILLINOIS PROFESSIONAL DESIGN FIRM L3 / PE / SE CORP. 184 000959	PLOT DATE = 2/22/2011	DRAWN - D.A.B.	REVISED -			CONTRACT NO. 78067					
		CHECKED - M.D.C.	REVISED -			ILLINOIS FED. AID PROJECT					
						SHEET NO. 17 OF 22 SHEETS					